

**Amendments to the Specification:**

Please amend the paragraph beginning on page 35, line 10 of Applicants' original specification as follows:

These two modes make use of any of several self-adaptive neural network structures. A neural network is a computational system that uses nonlinear, non-algorithmic techniques for information processing. Although the neural network structure specified herein is illustrative of the type of neural network architecture and learning algorithm that may be used in this component, the scope of the present invention is not intended to be limited to the specific embodiment disclosed herein, as alternative embodiments will be obvious to one skilled in the art. For example, one or more aspects of the present invention may be computer executable instructions stored on one or more computer readable media.

Please amend the paragraph beginning on page 49, line 17 of Applicants' original specification as follows:

The user can then request more documents like the sample document, documents very different from the sample document, or documents like the sample document, but with some new query attached. In accordance with one or more aspects described herein, processing of user interactivity and presentation to a user may be implemented by one or more computer readable media storing computer readable instructions for implementing the same.

Please amend the paragraph beginning on page 50, line 3 of Applicants' original specification as follows:

The relevancy ranking and clustering method and system can be applied in a wide variety of information retrieval applications by combining the three elements of the method and system in different orders and combinations. As described herein, one or more aspects of a relevancy ranking and clustering method and system may be implemented by one or more computer readable media that store computer readable instructions for implementin the same. The single component that should always be applied first is the vectorization unit because it generates

document and query vectors that are used both by the relevancy ranking unit and by the document clustering component. Depending on the goals of the application, however, the relevancy ranking unit and the document clustering component can be applied in various orders and combinations. Figures 13 through 16 illustrate the possible combinations for these components.